

Amendments to the Specification:

Please replace paragraph [00211], with the following amended paragraph:

[00211] For the purposes of this invention, the relationship between the BSB triad fraction and the mol% p-alkylstyrene incorporated into the copolymer is described by the copolymer sequence distribution equation described below and is characterized by the copolymer sequence distribution parameter, m.

$$F_{BSB} = 1 - \{m A / (1 + mA)\}$$

where: **m** is the copolymer sequence distribution parameter,

A is the molar ratio of isoprene—p-alkylstyrene to isobutylene in the copolymer, [pMS]/[IB] and,

F_{BSB} is the BSB triad fraction in the copolymer.